

What is claimed is:

1. An information processing apparatus comprising:
  - a plurality of receiving means for receiving a request
  - 5 signal for requesting bus acquisition for each of a plurality of modules;
  - measurement means for measuring time limit of each of said plurality of modules based on the request signal received by each of said plurality of receiving means;
  - 10 priority determination means for determining priority of bus acquisition of said plurality of modules according to the time limit measured by said measurement means; and
  - control means for controlling acquisition of bus for
  - 15 said plurality of modules based on the priority determined by said priority determination means.
2. The information processing apparatus according to Claim 1, wherein said priority determination means
- 20 determines priority by means of a round-robin method if there is a plurality of modules having a same time limit as measured by said measurement means.
3. An information processing method comprising the
- 25 steps of:
  - receiving a request signal for requesting bus acquisition for each of a plurality of modules;
  - measuring time limit of each of said plurality of modules based on a request signal received for each of a
  - 30 plurality of modules, for requesting bus acquisition;
  - determining priority of bus acquisition of said

plurality of modules according to a time limit as measured in said measurement step; and

controlling acquisition of bus for said plurality of modules based on the priority as determined in said  
5 priority determination step.

4. A storage medium for storing a computer-readable program for causing the computer to execute the steps of:

measuring time limit of each of said plurality of  
10 modules based on a request signal received for each of a plurality of modules, for requesting bus acquisition;

determining priority of bus acquisition of said plurality of modules according to a time limit as measured in said measurement step; and

15 controlling acquisition of bus for said plurality of modules based on the priority as determined in said priority determination step.

5. A computer-readable program for causing the  
20 computer to execute the steps of:

measuring time limit of each of said plurality of modules based on a request signal received for each of a plurality of modules, for requesting bus acquisition;

determining priority of bus acquisition of said  
25 plurality of modules according to a time limit as measured in said measurement step; and

controlling acquisition of bus for said plurality of modules based on the priority as determined in said priority determination step.